

# **BOXLIGHT XD-15c**

**User's Guide** 

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Fill this in!!			
	eded in the future, record the information described below. The the back of the product.		
Projector Informa	ation		
Product Name:	BOXLIGHT XD-15c Multimedia Digital Projector		
Serial Number:			
Date of Purchase:			
Dealer Information	on		
Dealer:			
Telephone Number:			
Address:			

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### INTRODUCTION

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TO PREVENT SHOCK, DO NOT OPEN THE CABINET. NO USER -SER-VICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SER-VICE PERSONNEL. PLEASE READ THIS USER'S GUIDE BEFORE YOU OPERATE YOUR PROIECTOR. SAVE THIS USER'S GUIDE FOR **FUTURE REFERENCE**.

#### Safety Instructions

- Read this user's guide before you operate your projector and save it for future reference.
- 2. The lamp becomes extremely hot during operation. Allow the projector to cool for approximately 45 minutes prior to removing the lamp assembly for replacement. Do not operate lamps beyond the rated lamp life. Excessive operation of lamps beyond the rated life could cause them to explode on rare
- 3. Never replace lamp assembly or any electronic components unless the projector is unplugged.
- 4. To reduce the risk of electric shock, do not disassemble this appliance. Take it to a qualified technician when service or repair is required. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
- 5. Do not place this product on an unstable cart, stand, or table. The product may fall, sustaining serious damage.
- 6. This product is capable of displaying inverted images for ceiling mount installation. Please use suitable equipment for mounting the unit and ensure it is securely installed.

### **⚠** Caution

- Always open the lens shutter or remove the lens cap when the projector lamp is on.
- Do not look straight at the projector lens during operation. The intense light beam may damage your eyes.
- In some countries, the line voltage is NOT stable. This projector is designed to operate safely within a bandwidth of 110 to 240 volts, but could fail if power cuts or surges of ±10 volts occur. In these high-risk areas, it is recommended to install a power stabilizer unit to be used in conjuction with this projector.

Save this user's guide: The information contained in this manual will assist you in operating and maintaining your personal projector.

#### Warranty

#### LIMITED WARRANTY

Boxlight ("Boxlight") warrants that each XD-15c ("the Product") sold hereunder will conform to and function in accordance with the written specifications of Boxlight. Said limited warranty shall apply only to the first person or entity that purchases the Product for personal or business use and not for the purpose of distribution or resale. Said warranty shall continue for a period of two (2) years from the date of such purchase. The standard limited warranty excludes the lamps in projectors after 120 days and the accessories after one year. Boxlight does not warrant that the Product will meet the specific requirements of the first person or entity that purchases the Product for personal or business use. Boxlight's liability for the breach of the foregoing limited warranty is limited to the repair or replacement of the Product or refund of the purchase price of the Product, at Boxlight's sole option. Replacement Product may be re-furbished in "like-new" condition, at Boxlight's sole discretion. To exercise the Purchaser's rights under the foregoing warranty, the Product must be returned at the Purchaser's sole cost and expense, to Boxlight or to any authorized Boxlight service center provided, and the Product must be accompanied by a written letter explaining the problem and which includes (i) proof of date of purchase; (ii) the dealer's name; and (iii) the model and serial number of the Product. When sending your unit in for repair, please ship your unit in its original packing material or a Boxlight approved ATA Shipping Case, or have a professional packaging company pack the unit. Please insure your shipment for its full value. A return authorization number, issued by the Boxlight customer service department, must also be clearly displayed on the outside of the shipping carton containing the Product

#### WARRANTY LIMITATION AND EXCLUSION

Boxlight shall have no further obligation under the foregoing limited warranty if the Product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress (unusual physical and electrical stress includes unusually long operation, exposure to smoke and other airborne contaminants), unauthorized modifications, tampering, alterations, or service other than by Boxlight or its authorized agents, causes other than from ordinary use or failure to properly use the Product in the application for which said Product is intended

#### **DISCLAIMER OF UNSTATED WARRANTIES**

THE WARRANTY PRINTED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PURCHASE. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE HEREOF AND THE FOREGOING WARRANTY SHALL NOT BE EXTENDED, ALTERED OR VARIED EXCEPT BY WRITTEN INSTRUMENT SIGNED BY BOXLIGHT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY MAY LAST, SO SUCH LIMITATIONS MAY NOT APPLY TO YOU.

#### LIMITATION OF LIABILITY

IT IS UNDERSTOOD AND AGREED THAT BOXLIGHT'S LIABILITY WHETHER IN CONTRACT, IN TORT, UNDER ANY WARRANTY, IN NEGLIGENCE OR OTHER-WISE SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY PURCHASER AND UNDER NO CIRCUMSTANCES SHALL BOXLIGHT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOST PROFITS, LOST REVENUES OR LOST SAVINGS. THE PRICE STATED FOR THE PRODUCT IS A CONSIDERATION IN LIMITING BOXLIGHT'S LIABILITY. NO ACTION, REGARDLESS OF FORM, ARISING OUT OF THE AGREEMENT TO PUR-CHASE THE PRODUCT MAY BE BROUGHT BY PURCHASER MORE THAN ONE YEAR AFTER THE CAUSE OF ACTION HAS ACCRUED. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

#### **FCC Statement**

FCC STATEMENT - CLASS A: This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class "A" computing device pursuant to Subpart B of Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at his/her own expense will be required to take whatever measures may be required to correct the interference.

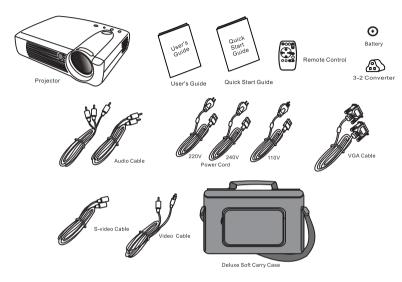
FCC STATEMENT - CLASS B: This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

EEC STATEMENT: This machine was tested against the 89/336/EEC (European Economic Community) for EMC (Electro Magnetic Compatibility) and fulfills these requirements.

### **Shipping Contents**

The projector is shipped with the cables required for connection to standard PC or laptop computers. Carefully unpack and verify that you have all the items shown below. If any of these items are missing, please contact BOXLIGHT.



#### **Optional Accessories**

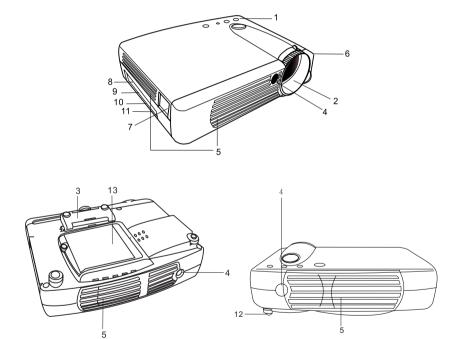
- I. Mac adapter (switchable)
- 2. Spare lamp module

### **Projector Description**

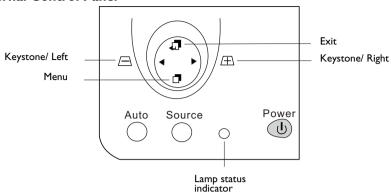
#### **Projector**

- Ι. External control panel (see next page)
- 2. Projection lens
- 3. Front adjustment feet
- 4. IR remote sensor
- 5. Ventilation grill
- Kensington lock 6.
- 7. AC power cord input
- 8. S-video connector

- 9. Video connector
- 10. D-sub connector (for computer/ HDTV input)
- II. Audio input
- 12. Rear adjustment feet
- 13. Lamp access door (underneath unit)



#### **External Control Panel**

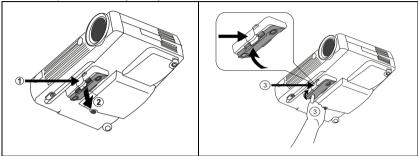


- The Infrared Remote Receiver (Front and Rear) allows the projector to accept signals from the remote control. For best results, be sure to aim the control toward the sensor without any obstructions between the two, and at a distance no greater than 6 meters (20 feet).
- Menu will display the menu system on screen. Press Menu again to access the sub-menus. Left and Right help you navigate among choices and settings in the menus and sub-menus. However, when the on screen menu is not activated, the Left and Right buttons will function as Keystone +/- hot keys.
- Press the Exit button to go back to the main menu. Press Exit again to leave the menu system.
- The Status Indicator will blink or light up when the lamp needs service, cooling or replacement. See "Lamp Information" on page 20 for more detailed information.
- When the projector is on, Back-lit Power will blink during warm-up and turn to solid green to indicate the projector is ready for use.
- Press and hold **Power** for I second to turn the projector on or off.
- Auto key: Automatically sense the best picture quality for current received signals.
- **Source** key: Select signal sources, PC, Video, S-video and YPbPr.

#### Adjuster

The projector is equipped with a quick-release adjuster foot and button for adjusting its tilt angle.

- ١. Lift the projector up and press the adjuster button to release the adjuster.
- The adjuster will drop into position and be locked.



#### **Projector Features**

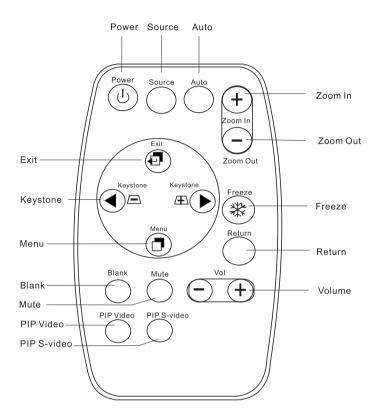
The projector integrates high performance optical engine projection and user-friendly design to deliver high reliability and ease of use.

The Projector offers the following features:

- Compact and portable unit
- Full-function remote control
- Manual zoom lens
- One key auto-adjustment to display the best picture quality
- Easy digital keystone correction through hot keys to correct distorted images
- Adjustable color balance control for data/video
- Ultra-high brightness projection lamp
- Ability to display high quality 16.7 million colors
- On screen menus in 7 languages: English, French, German, Italian, Spanish, Simplified Chinese, and Traditional Chinese.
- Powerful AV function to provide high AV picture
- HDTV compatibility (YPBPR)

Note: The brightness of your machine will vary depending on the ambient room conditions and contrast/brightness settings.

### **Remote Control Description**

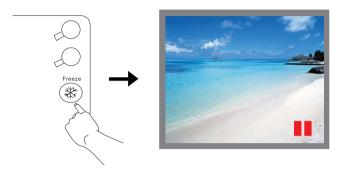


#### **Remote Control Features**

The remote control sensors are located in the front/ back of the projector. The distance between the sensor and the remote control should not exceed 6 meters (20 feet).

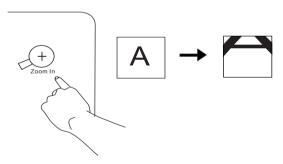
#### **FREEZE**

The image can be frozen when FREEZE is pressed. A "Pause" icon will appear in the lower right corner of the screen for three seconds. To release the freeze function, press the FREEZE button, RETURN button or SOURCE button (when the input source is switched over during display) again. A "Play" icon will appear in the lower right corner of the screen for three seconds when the freeze function is released.



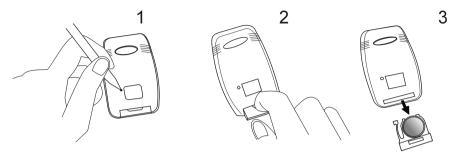
#### ZOOM IN/OUT

By pressing ZOOM IN +, the center of the picture will be magnified. When the + button is pressed again, the picture is further magnified, up to four times the original size. By pressing ZOOM OUT -, the size of the image is reduced. When the - button is pressed again, the picture is further reduced until it is restored to its original size. To return to the normal display mode, press the RETURN button. (This function can be used in combination with FREEZE.)



#### **Installing or Replacing Batteries**

- Push and slide the battery compartment lid in the direction shown.
- Install batteries as indicated by the diagram inside the compartment.
- Position the lid over the compartment and snap it back into place.





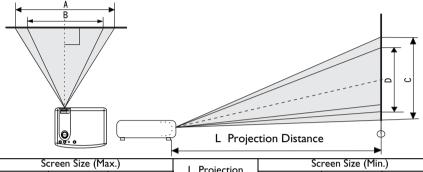
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Avoid excessive heat and humidity. There may be danger of an explosion if batteries are incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

### **INSTALLATION**

#### Screen Size

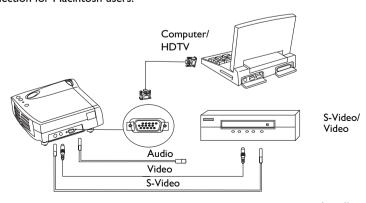
Place the projector at the required distance from the screen according to the desired picture size (see the table below).



Screen Size (Max.)		L. Projection	Screen Size (Min.)			
Diagonal	A. Width	C. Height	distance (cm/in)	Diagonal	B. Width	D. Height
(cm/in)	(cm/in)	(cm/in)	distance (Cin/iii)	(cm/in)	(cm/in)	(cm/in)
77/30.4	61.8/24	46.3/18	100/39	63/24.9	50.7/20	38.0/15
154/60.8	123.65/49	92.7/36	200/79	127/49.9	101.3/40	76.0/30
232/91.2	185.3/73	138.9/55	300/118	190/74.7	151.9/60	113.9/45
309/121.5	247.0/97	185.2/73	400/157	253/99.7	202.5/80	151.9/60
386/151.9	308.7/122	231.6/91	500/197	316/124.6	253.2/100	189.9/75
463/182.3	370.5/146	277.9/109	600/236	380/149.5	303.8/120	227.9/90
541/213.1	432.2/170	324.18/128	700/276	443/174.6	354.4/140	266.2/105
617/243.1	494.0/194	370.5/146	800/315	506/199.4	405.1/160	303.8/120
695/273.5	555.7/219	416.7/164	900/354	570/224.3	455.7/180	341.8/135
772/303.9	617.5/243	463.11/182	1000/394	633/249.2	506.3/200	379.8/150

### **Connecting to Various Equipment**

It only takes a few seconds to connect your projector to your computer/notebook, VCR or other systems. However, a Mac adapter (an optional accessory) is needed for connection for Macintosh users.

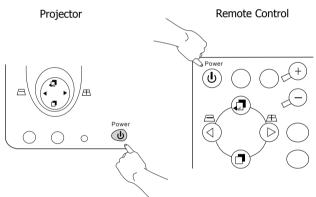


### **OPERATION**

### Start Up

- 1. Plug the power cord into a wall socket.
- 2. Press POWER for I second.

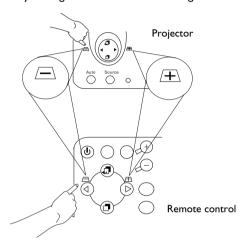




- The back-lit POWER key blinks green and stays green when the power is turned on.
  - (When the power is turned off, there is a 60-second cooling period before the projector can be re-started.)
- 3. Switch on all connected equipment.

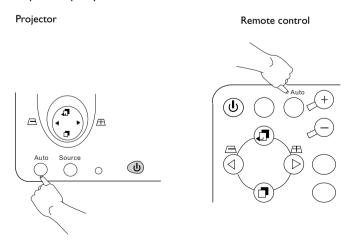
### **Digital Keystone Correction**

Keystoning refers to the situation where the projected image is noticeably wider at either the top or bottom. To correct this, press KEYSTONE +/- (hot key) on the control panel of the projector or on the remote control, then adjust the sliding bar labeled Keystone, as needed. Press + to correct keystoning at the top of the image. Press - to correct keystoning at the bottom of the image.



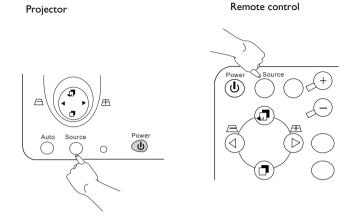
### **Auto Adjustment**

In some cases, you may have to optimize the picture quality manually. To do this, press the AUTO key on the control panel of the projector or on the remote control. Within 3 seconds, the built-in Intelligent Auto Adjustment function will re-adjust to the best picture quality.



#### **Source Selection**

When several input sources are available, press the SOURCE key to make a selection from the control panel of the projector or the remote control.



### Menu System

Press **Menu** for the main menu and press or to select a sub-menu. Press **Menu** again to select items in the sub-menu.

Menu Bar		3	0		
Sub-menu	Display	Image	Source	Control	PIP
PC	Keystone Brightness Contrast Phase H.Size	Auto resize H-position V-position Color Temp Information Auto resize	Mirror Source Volume Treble Bass Mute	Langauge OSD OSD Time Auto Off Reset Lamp hour	Main page: PIP Source PIP Size PIP Pos. H. Position V.Position
Y/Pb/Pr		H-position V-position Color Tint Color Temp		'	More Options  Sub Page: Brightness
Video	Keystone Brightness Contrast Color Tint	Ratio System Sharpness Color Temp Information			Contrast Color Tint Sharpness System

### I. Display Menu

	Corrects any keystoning of the image.
Keystone	
	Adjusts the brightness of the image.
Brightness	
	Adjusts the degree of difference between darkness and lightness of
	the image.
Contrast	
	Adjusts to avoid the occurrence of flicker.
Phase	
	*This function is not available when the input modes are Video, S-Video.
	Adjusts to fit in the desired image size.
H.Size	*This function is not available when the input modes are Video, S-Video.
Color	Increases or decreases the color range (R, G, B) of the image.
<b>C</b> 0101	*This function is not available when the input mode is PC.
Tint	Adjusts the image to make it appear more red or blue.
	*This function is not available when the input mode is PC.

### 2. Image Menu

Auto resize  Makes the best fit of the image to the screen,  OFF ON	
Adjusts the horizontal position of the projected image.	
H-position	
Adjusts the vertical positon of the projected image.	
V-position V-position	
Color Temp. Adjusts the color temperature to fit your preference.	
Information Shows the current resolution.	
Users have 2 options for the image ratio.	
<b>Ratio</b> 1. 4:3 (Normal) 2. 16:9 (Wide)	ļ
*This function is not available when the input modes are PC, YPbPr.	
4 modes can be selected.	
System  1. Auto 2. PAL-M 3. PAL-N 4.SECAM	
*The default setting of System is Auto.	
*This function is not available when the input modes are PC, YPbPr.	
Adjusts the image to make it look sharper or softer.	
*This function is not available when the input modes are PC, YPbPr.	
Color Increases or decreases the color range (R, G, B) of the image.	
*This function is not available when the input mode is PC.	
Tint Adjusts the image to make it appear more red or blue.	
*This function is not available when the input mode is PC.	

#### 3. Source Menu

Mirror  1. Default  2. Ceiling - mounted projection  3. Rear screen projection  4. Ceiling - mounted and rear screen projection	1. 2. 4. 4.
Source	Selects sources between PC, Video, S-Video, and YPbPr.
Volume	Adjusts the volume level.
Treble	Adjusts the treble level.
Bass	Adjusts the bass level.
Mute	Off On

#### 4. Control Menu

Language	Language sets the OSD to display in one of 7 languages.  Use /  key to select the languages: English, French, German, Italian, Spanish, Simplified Chinese and Traditional Chinese.
OSD	Selects a desired OSD position.
OSD Time	Sets the length of time the OSD will remain active after the last time you pressed the button. The range is from 5 to 60 seconds in 5-second increments.
Auto Off	Sets the length of time to shut off the system when no input is detected.
Reset	Returns all settings to the time of manufacturing.
Lamp Hour	Shows lamp usage time.

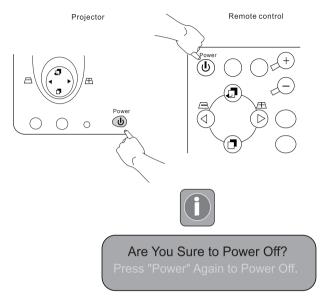
#### 5. PIP Menu

These functions are valid only when the input mode is PC and the PIP source is Video or S-Video.

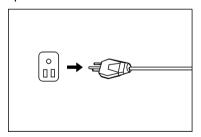
PIP Source	Selects the source for the PIP.	
PIP Size	Uses <sup>◀</sup> / <sup>▶</sup> key to scroll through the 4 alternatives: Off, Small, Medium, Large.	
PIP Position	Selects a desired position for the PIP.	
H Position	Adjusts the horizontal position of the PIP image.	
V Position	Adjusts the vertical position of the PIP image.	
More Options	Uses / / key to select more PIP functions including Brightness, Contrast, Color, Tint, Sharpness and System.	
Brightness	Adjusts the brightness of the PIP image.	
Contrast	Adjusts the degree of difference between dark and light for the PIP image.	
Color	Increases or decreases the color range (R, G, B) of the image.	
Tint	Adjusts the image to make it appear more red or blue.	
Sharpness	Adjusts the image to make it appear sharper or softer	
System	Selects PIP image systems: Auto, NTSC, PAL, SECAM	

#### **Shutdown**

- Press **POWER** and a warning message will prompt up. To turn off the projector, Press **POWER** again.
- 2. The fan will continue to run for approximately 60 seconds.



3. Disconnect the power cord from the wall socket.



#### 

Please do not unplug the power cord before POWER is shut down or during the 60-second cooling process.

If the projector is not properly shut down, to protect the lamp, the system will detect this and cool the lamp for two minutes automatically before turning on again.

#### **MAINTENANCE**

#### **Lamp Information**

#### Use and Replacement of Lamp

When the Lamp Indicator lights up red or a message appears suggesting the time of lamp replacement, please install a new lamp or consult your dealer. An old lamp could cause a malfunction in the projector and in rare instances may even explode.

#### **LED Status Indicators**

Lamp Life Indicators	When this LED shows red continuously, it is warning you that the lamp usage has exceeded <b>1500</b> hours. Replace the projection lamp with a new one immediately.
CHANGE THE LAMP, AND RESET THE LAMP TIMER	The lamp has been in operation for 1400 hours. Change a new lamp for optimal performance.
CHANGE THE LAMP. THE POWER WILL TURN OFF AFTER 20 HOURS	The lamp has been in operation for 1480 hours, and the power will turn off after 20 hours.
CHANGE THE LAMP!	The lamp has been in operation for over 1500 hours. The warning message will display for 30 seconds every 5 minutes after you turn on the projector and the power will turn off automatically in 10 minutes.
Lamp is not properly attached	LED blinks rapidly.
Temperature is too high	When the projector's internal temperature is too high to operate safely, the LED blinks slowly for one minute and the lamp turns off automatically. If the LED light is off, the projector's lamp and temperature are operating under normal conditions.

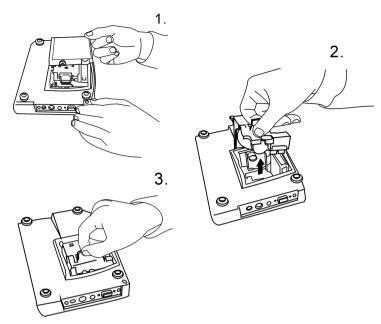


The LAMP indicator will light up if the lamp becomes too hot. Turn off the power and let the projector cool for 45 minutes. If the LAMP indicator is still red when turning the power on, please contact BOXLIGHT Technical Support at 1-800-762-5757 or +1-360-779-7901.

#### Lamp Replacement



To reduce the risk of electrical shock, always turn off the projector and disconnect the power cord before changing the lamp.



- Press the **POWER** button to switch off the projector. Disconnect the power cord from the outlet and the projector.
- 2. Loosen the screw and remove the lamp cover. If the lamp is hot, avoid burns by waiting 45 minutes until the lamp has cooled.
- 3. Loosen the 3 screws. (It is strongly recommended you use a magnetic-headed screwdriver.) Pull the handle to remove the lamp housing. If the screws are not loosened completely, they could injure your fingers. Do not insert your hand into the box after the lamp is removed. If you touch the optical parts inside, this could cause color unevenness.
- 4. Replace the lamp with a new one. Insert it into the projector, and tighten the screws firmly. Loose screws may cause a bad connection, which may result in malfunction.
- 5. Re-install the lamp cover and tighten the screw. Do not turn on the power with the lamp cover removed. Whenever the lamp is replaced, reset the total lamp operation time. Do not reset if the lamp is not replaced as this could cause breakage.



#### Caution

To reduce the risk of severe burns, allow the projector to cool for at least 45 minutes before replacing the lamp.

To reduce the risk of injuries to fingers and damage to internal components, use caution when removing lamp glass that has shattered into sharp pieces.

Please call BOXLIGHT Technial Support if your lamp has exploded.

To reduce the risk of injuries to fingers and/or decreasing image quality by touching the lens, do not touch the empty lamp compartment when the lamp is removed.

This lamp contains mercury. Consult your local hazardous waste regulations to dispose of this lamp in a proper manner.

#### **Resetting Lamp Hours**

If you replace the lamp after 1500 hours of operation, please follow the instructions below within 10 minutes of power on.

OSD	FUNCTION
166:25 Press <menu> To RESET</menu>	Press the Exit button on the projector for 3 seconds to display the total used lamp time.
<mark>00:00</mark> Press <exit> To Leave</exit>	<ul> <li>Press the MENU button on the projector during the lamp hour message. An adjustment message will appear.</li> <li>Press ◀ or ▶ to rest lamp hours or press EXIT to leave.</li> </ul>

#### **Service Information**

#### Accessories (Included in the Standard Package)

Power cord (EU)

Power cord (US)

Power cord (UK)

VGA signal cable

Video cable

S-Video cable

Audio cable

Audio - PC audio cable

Soft carrying case

Lens cover

Remote control

3-2 converter

#### Optional Accessories (Not Included in the Standard Package)

Mac adapter (switchable)

Spare lamp module

#### **Ordering Parts or Getting Information**

For product information, product assistance, service information, or to order accessories, please contact BOXLIGHT Corporation at 1-800-762-5757 or +1-360-779-7901 or visit the web site at <a href="https://www.boxlight.com">www.boxlight.com</a>.

### **TROUBLESHOOTING**

### **Common Problems & Solutions**

PROBLEMS	TRY THESE SOLUTIONS		
NO POWER	<ul> <li>Plug the power cord into the AC inlet.</li> <li>Plug the power cord into the power inlet.</li> <li>Wait two minutes after the projector is turned off before turning the projector back on.</li> </ul>		
NO PICTURE	<ul> <li>Check for the proper input source.</li> <li>Ensure all cables are connected properly.</li> <li>Adjust the brightness and contrast.</li> <li>Remove the lens cap.</li> </ul>		
TRAPEZOID IMAGE ON THE SCREEN	<ul> <li>Reposition the unit to improve its angle on the screen.</li> <li>Use the <b>Keystone</b> correction key on the control panel of the projector or the remote control unit.</li> </ul>		
POOR COLOR	<ul><li>Select the correct video system.</li><li>Adjust brightness, contrast, or saturation.</li></ul>		
BLURRED IMAGE	<ul> <li>Press Auto on the control panel of the projector or the remote control unit to get better picture quality.</li> <li>Adjust the focus.</li> <li>Reposition the unit to improve its projection angle.</li> <li>Ensure the distance between the unit and screen is within the adjustment range of the lens.</li> </ul>		
REMOTE CONTROL DOES NOT WORK	<ul> <li>Replace the batteries with new ones.</li> <li>Make sure there is no obstacle between the remote control and the projector.</li> <li>Stand within 6 meters (20 feet) of the unit.</li> <li>Make sure nothing is blocking the front and rear receivers.</li> </ul>		

## Status Messages

On Screen Messages	Description	
SEARCHING	Projector is searching for input.	
INPUT SIGNAL DETECTED, ACTIVATING AUTO IMAGE	Projector has identified the input signal and is running the auto image adjustment function.	
SYNC IS OUT OF RANGE	Input signal frequency exceeds the projector's range.	
CHANGE THE LAMP, AND RESET THE LAMP TIMER	The lamp has been in operation for 1400 hours. Lamp replacement is recommended.	
CHANGE THE LAMP, THE POWER WILL TURN OFF AFTER 20 HOURS	The lamp has been in operation for 1480 hours, and the power will turn off after 20 more hours. Replace the lamp as soon as possible.	
CHANGE THE LAMP!	The lamp has been in operation for over 1500 hours, and the power will turn off automatically in 10 minutes. Replace the lamp immediately.	

#### **SPECIFICATIONS**

#### **Projector Specifications**

#### **Technical Specifications**

Note: All specifications are subject to change without notice.

General

Product name Personal Projector

Model name BOXLIGHT XD-15c

1024X768 XGA

**Optical** 

Display system I-CHIP DMD

Lens F/Number F/2.6

Lamp 120W VIP lamp

**Electrical** 

Power supply AC100 ~ 240V, 2.3A, 50/60 Hz (Automatic)

10°C ~ 40°C

Power consumption 185 W (Max)

Mechanical

Dimensions  $220 \text{mm/8.7in(W)} \times 52 \text{mm/2.1in(H)} \times 175 \text{mm/6.9in(D)}$ 

Operating Temperature

range

Weight 3.85 lbs (1.69 Kg)

Input terminal

Computer Input

RGB/ HDTV Input D-sub 15-pin (female)

Video Signal Input

S VIDEO Mini DIN 4-pin terminal
VIDEO RCA Jack terminal

Audio Signal Input

Audio Mini Jack Stero Terminal

Output

Speaker I Watt x I

## **Timing Chart**

Resolution	H Sync (kHz)	V Sync (Hz)	Remark
640x350	31.5	70.1	
640x400	37.9	85.1	VESA
720x400	31.5	70.0	
720x400	37.9	85.1	VESA
640x480	31.5	60.0	VESA
640x480	37.9	72.8	VESA
640x480	35.0	66.7	Macintosh
640x480	43.3	85.0	VESA
800x600	35.2	56.3	VESA
800x600	37.9	60.3	VESA
800x600	46.9	75.0	VESA
800x600	48.1	72.2	VESA
800x600	53.7	85.1	VESA
832x624	49.7	74.5	Macintosh
1024x768	48.4	60.0	VESA
1024x768	56.5	70.1	VESA
1024x768	60.0	75.0	VESA
1024x768	68.7	85.0	VESA
1280x1024	64.0	60.0	VESA

### **DIMENSIONS**

